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 TI Preparation of cellulase synergistic protector solution and its use in  
 treating cellulose fiber  
 IN Zhang, Mei; Zhang, Xiaoling; Liu, Ruiqiong; Tu, Zaoxun  
 PA Beijing Inst. of Textile Science, Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.  
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PRAI	CN 1997-111773		19970514		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 1199116	ICM	D06M016-00

AB The protector is composed of 0.5-5.0 M alc. soln. 1-35, 0.2-1.5 M nonionic surfactant soln. 0.1-10.0, 0.05-1.0 M polysaccharide soln. 0.4-7.0, 0.5-1.0 M org. acid 0.05-2, and water to 100%. The protector may contain 0.1-0.9 M inorg. salt 0.5-10%. The alc. is selected from ethanol, ethylene glycol, glycerin, pentaerythritol, polyethylene glycol, and sorbitol; the surfactant from Tween-20, polyoxyethylene alkyl ether, polyoxyethylene aryl ether, polyoxyethylene alkyl ester, polyoxyethylene aryl ester, polyoxyethylene alkylphenol ether, and polyethylene glycol sorbitol laurate; the polysaccharide from methylcellulose, ethylcellulose, hydroxymethylcellulose, lactose, and sucrose; the org. acid from formic acid, acetic acid, propanoic acid, and oxalic acid; and the inorg. salt from NaCl, NaOAc, Na formate, Na3PO4, NaH2PO4, Na2HPO4, Ca formate, Ca(OAc)2, CaCl2, MgCl2, and Mg(OAc)2. The cellulose type fiber is treated by soaking the fiber in the protector soln. at 45-55.degree. and pH 4.5-5.5 for 30-90 min. The ratio of the protector-cellulose fiber is 0.2-5:100.

ST cellulase protector prepn cellulose fiber treatment